

CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application. Where claims have been amended and/or canceled, such amendments and/or cancellations are done without prejudice and/or waiver and/or disclaimer, and the applicant reserves the right to claim this subject matter in a continuing application:

1. (Currently amended) A scanning method applicable for use in a flatbed scanner ~~with transparent scanning function, the flatbed scanner having an optical scan module and an original document plane for placing a transparent document, and the optical scan module moving along the original document plane for scanning the transparent document,~~ the method comprising:
 - ~~disposing the transparent document on the original document plane;~~
 - providing a plane light source with a distribution range covering a region of the ~~transparent~~ document to be scanned;
 - using ~~the~~ an optical scan module of the flatbed scanner to scan the original document plane ~~once~~ to read and obtain a the distribution range of the plane light source; and
 - using the optical scan module to scan the region covered by the distribution range ~~only~~ to extract an image of the ~~transparent~~ document.
2. (Currently amended) The method according to claim ~~1~~15, wherein ~~the step of~~ disposing the transparent document ~~further~~ comprises disposing the transparent document at an arbitrary position with an arbitrary angle on the original document plane.
3. (Currently amended) The method according to claim 1, wherein ~~the step of~~ providing the plane light source includes providing an external transparency adapter.
4. (Currently amended) The method according to claim 3, wherein ~~the step of~~ providing the plane light source includes providing the external transparency adapter over the original document plane.
5. (Currently amended) The method according to claim 1, wherein ~~the step of~~ providing the plane light source includes providing a built-in transparency adapter.

6. (Currently amended) The method according to claim 5, ~~wherein the step of~~ providing the plane light source includes providing the built-in transparency adapter over the original document plane.

7. (Currently amended) The method according to claim 1, ~~wherein the step of~~ using the optical scan module to scan the ~~region covered by~~ original document plane to read and obtain the distribution range ~~further comprises~~ includes providing scanning a calibration window, ~~so that when light emitted from the optical scan module goes through the calibration window, the calibration window can be used to calibrate~~ brightness of the plane light source.

8. (Original) A method of capturing a scanning position, applicable to a flatbed scanner with transparent scanning function, the flatbed scanner having an optical scan module and an original document plane for placing a transparent document, the optical scan module moving along the original document plane, the method comprising:

providing a plane light source with a distribution range covering a region to be scanned of the transparent document; and

using the optical scan module to scan the original document plane once to read the distribution range, so as to capture the scanning position.

9. (Currently amended) The method according to claim 8, ~~wherein the step of~~ ~~disposing the transparent document~~ further comprises comprising disposing the transparent document at an arbitrary position with an arbitrary angle on the original document plane.

10. (Currently amended) The method according to claim 8, ~~wherein the step of~~ providing the plane light source includes providing an external transparency adapter.

11. (Currently amended) The method according to claim 8, ~~wherein the step of~~ providing the plane light source includes providing ~~the~~ an external transparency adapter over the original document plane.

12. (Currently amended) The method according to claim 8, ~~wherein the step of~~ providing the plane light source includes providing a built-in transparency adapter.

13. (Currently amended) The method according to claim 8, ~~wherein the step of~~ providing the plane light source includes providing ~~the~~ a built-in transparency adapter over the original document plane.

14. (Currently amended) The method according to claim 8, ~~wherein the step of~~ using the optical scan module to scan the original document plane further comprises providing scanning a calibration window, ~~so that when light emitted from the optical scan module goes through the calibration window, the calibration window can be used to calibrate~~ brightness of the plane light source.

15. (New) The method according to claim 1,
where the document is a transparent document; and
further comprising disposing the transparent document on the original document plane.

16. (New) The method according to claim 1, where using the optical scan module to scan the region covered by the distribution range to extract the image of the document scans solely the region covered by the distribution range.

17. (New) The method according to claim 1, where using the optical scan module to scan the original document plane comprises moving the optical scan module along the original document plane.

18. (New) The method according to claim 8, further comprising subsequent to using the optical scan module to capture the scanning position, using the optical scan module to scan the region covered by the distribution range to extract an image of the transparent document.

19. (New) The method according to claim 18, where using the optical scan module to scan the region covered by the distribution range to extract the image of the transparent document scans solely the region covered by the distribution range.

20. (New) The method according to claim 8, where using the optical scan module to scan the original document plane comprises moving the optical scan module along the original document plane.

21. (New) A scanning apparatus comprising:
an original document plane;
an optical scan module; and
where the optical scan module is enabled to scan a transparent document by first performing a preview scan of the original document plane to obtain a distribution coverage of a plane light source, and subsequently performing a scan of a region within the distribution coverage of the plane light source to extract the image of the transparent document.

22. (New) The scanning apparatus of claim 21, where the optical scan module is further enabled to scan a reflective document.

23. (New) The scanning apparatus of claim 21, where the optical scan module is further enabled to calibrate brightness of the plane light source via a calibration window.

24. (New) The scanning apparatus of claim 21, further comprising the plane light source.

25. (New) The scanning apparatus of claim 24, where the plane light source comprises an external transparency adapter, the external transparency adapter disposed over the original document plane.

26. (New) The scanning apparatus of claim 24, where the plane light source comprises a built-in transparency adapter, the built-in transparency adapter disposed over the original document plane.

27. (New) The scanning apparatus of claim 24, where the plane light source is mounted to a top lid of the scanning apparatus.

28. (New) The scanning apparatus of claim 21, where the distribution coverage is as large as a scan window of the scanning apparatus.

29. (New) The scanning apparatus of claim 21, where the optical scan module is further enabled to perform the scan to extract the image of the transparent document solely within the distribution coverage of the plane light source.

30. (New) The scanning apparatus of claim 21, where the scanning apparatus is operable to scan the transparent document without use of a transparent film holder.